

MICHALEX, Karel

COUNTRY : Czechoslovakia
CATEGORY :

5-20

ABS. JOUR. : ASKbia., No. 16 1959, No.

58949

AUTHOR : MICHALEX, Karel
IS IT : Not known
TITLE : The Processing of Egg Shells

ORIG. PUB. : Průmysl Potravin, 5, No 1, 51-52 (1958)

SUMMARY : The author describes methods used in the processing of eggshells: (a) drying of the shells with the albumin contained in them, (b) drying of the shells after preliminary separation of the albumin, and (c) a new method giving a maximum yield of albumin and consisting in the removal of dirt from the shells, separation of the film [sic], and sterilization of the products obtained.

Z. Fabianekly

CARD: 1/1

Country : CZECHOSLOVAKIA
 Category= : Diseases of Farm Animals. R
 Diseases Caused by Bacteria and Fungi.
 Abs. Jour. : Ref Zhur-Biol., No 21, 1956, 97005
 Author : Svec, R.; Michalek, Karel
 Institut. : -
 Title : Data on the Prophylaxis of Cholera in Fowl.

Orig. Pub. : Veterin. casop., 1957, 6, No 6, 485-489

Abstract : The successful results of experiments in which fowl cholera was eradicated by a single administration of sulfamide preparations or of a specific serum with a simultaneous exclusion of animal protein from the rations of the fowl which were given fodder stewed to a pulp, are reported on.

Card: 1/1

CZECHOSLOVAKIA

VOSOLSOBE, J; MICHALEK, J

Department of Inorganic Technology, Institute of
Chemical Technology, Prague - (for both)

Prague, Collection of Czechoslovak Chemical Communi-
cations, No 7, July 1966, pp 2646-2663

"Differential reactor with gas recirculation."

L 31780-66

ACC NR: AP6021653

SOURCE CODE: CZ/0039/65/026/007/0402/0406

AUTHOR: Michalek, Jan (Engineer)

ORG: none

TITLE: Temperature compensation of Hall generators by means of thermistors

SOURCE: Slaboproudny obzor, v. 26, no. 7, 1965, 402-406

TOPIC TAGS: Hall generator, temperature dependence, thermistor, Hall constant

ABSTRACT: The temperature dependence of Hall's constant (R_H) in Hall generators causes variations of their sensitivity with temperature. The dependence of $R_H = f(T)$ is determined in the article for Hall generators of InAs, InSb and Ge and a temperature compensation is suggested, using thermistors. The article is supplemented by a computation of the compensating network and its experimental checking. Orig. art. has: 8 figures, 12 formulas and 1 table. [Based on author's Eng. abst.] [JPRS]

SUB CODE: 09, 20 / SUBM DATE: 26Oct64 / ORIG REF: 002 / SOV REF: 001

LS

Card 1/1

UDC: 538.632

MICHALEK, Jozef

Rupture of the kidney in a female cancer patient. Polski przegl.
chir 33 no.1:79-81 '61.

1. Z III Kliniki Chirurgicznej Sl. A.M. w Bytomiu Kierownik: prof.
dr M. Trawinski.

(KIDNEYS neopl)

MICHALEK, Jozef

Gastritis hypertrophica glandularis. Polski przezl. chir. 31 no.4:
433-437 Apr 59.

1. Z III Kliniki Chirurgicznej Slaskiej Akademii Medycznej w Bytomiu
Kierownik: prof. dr M. Trawinski
(GASTRITIS, surg.)

MICHALEK, J.

Crohn's disease (ileitis segmentalis). Polski przegl. chir.
29 no.1:25-28 Jan 57.

1. Z III Kliniki Chirurgicznej Slaskiej A.M. w Bytomiu
Kierownik: prof. dr. M. Trawinski. Bytom, ul. Wyczolkowskiego
4, m. 7. = Adres autora.
(ILEITIS REGIONAL
(Pol))

MICHALEK, Josef

MICHALEK, Josef. Obv. lekar, Litovel.

Reference to the author's name is not to be used.

Phytotherapy of gastrointestinal diseases. Prakt. lek. 34 no.8:

170-174 Ap '54.

(GASTROINTESTINAL DISEASES, therapy,

*phytother.)

MICHALEK, Jozef

Wounds of the buttock complicated by multiple extraperitoneal perforation of the urinary bladder. Polski przegl. chir. 28 no. 12:1277-1279 Dec 56.

1. Z III Kliniki Chirurgicznej A.M. w Bytomiu Kierownik: prof. dr. M. Trawinski. Adres autora: Bytom, ul. Wyczolkowskiego 4, m. 7.

(BUTTOCKS, wds. & inj.

with multiple extraperitoneal perf. of bladder, surg.
(Pol))

(BLADDER, perf.

multiple extraperitoneal, complicating buttock wds.,
surg. (Pol))

MICHALEK, Josef, MUDr Obv. lekar, Litovel.

Phytotherapy of diseases of the gastrointestinal system. Prakt.
lek. 34 no.9:205-208 My '54.

(GASTROINTESTINAL DISEASES, therapy,
*phytother.)

(PLANTS,
*phytother. of gastrointestinal dis.)

L 31199-66 EWP(j) RM

ACC NR: AP6022556

SOURCE CODE: CZ/0008/66/000/001/0087/0089

AUTHOR: Vosolsobe, Jan; Michalek, JiriORG: Department of Inorganic Technology, College of Chemical Technology, Prague
(Katedra anorganické technologie, Vysoká škola chemicko-technologická)

TITLE: Differential reactor with gas recirculation

SOURCE: Chemické listy, no. 1, 1966, 87-89

TOPIC TAGS: heterogeneous catalysis, exhaust gas recirculation, chemical reactor, sulfur compound

ABSTRACT: Differential reactors with gas recirculation are suitable for the study of heterogeneous catalytic reactions. The reactors should use very little of the reaction gas, be not influenced by outside diffusion, and offer an easy arrangement for the calculation of reaction velocities. The authors designed such a reactor suitable for studying reactions of sulfur dioxide. It is constructed in aluminum and may be used at temperatures up to 520°C. The recirculating pump used for the gas is described. Detailed description of the reactor, and of its heating system is given. J. Muller, F. Huml, and J. Tichy participated in the development of the reactor through graduate work in the field of inorganic technology. The authors congratulate them for its successful completion. They also thank Misters J. Otto, L. Eichelmann, and M. Urban, who took part in the development and construction of the reactor. Orig. art. has: 1 figure and 1 formula. [JPRS]

SUB CODE: 07 / SUBM DATE: 12Feb65 / ORIG REF: 001 / SOV REF: 001

Card 1/1 BLG

44
B

095

0565

RYSAVY, Bohumil; MICHALEK, Jaromir; FIDLER, Vladimir.

~~Possibility of adaptation of Amidostomum anseris (Zeder, 1800)~~
Possibility of adaptation of Amidostomum anseris (Zeder, 1800)
Railliet and Henry, 1909, in other birds. Cesk.biol 4 no.7:
393-396 J1 '55.

1. Biologicky ustav CSAV, parazitologie, Praha a Drubezarske
zavody, Libus.

(PARASITES,

Amidostomum anseris, adaptation in birds other
than geese)

(FOWLS, DOMESTIC,

adaptation of Amidostomum anseris in birds other
than geese)

MICHALEK, J.

Surge test of magnetic-core sheet insulation. El tech cas
14 no.4:246-247 '63.

MICHALEK, J.

The Chirana N 5 anesthesia apparatus. Jemna mech opt 5 no.3:
91 Mr '60.

1. Chirana, Praha.

ILLEGIBLE

MICHALEK, J.

Expansability of enamel insulation of wire as an indicator of properties of resol-polyamide lacquers. p. 220.

ELEKTROTECHNICKY CASOPIS, Bratislava, Czechoslovakia, Vol. 10, No. 4, 1959

Monthly List of East European Accessions, (EEAI) LC, VOL. 8, No. 10,
Oct. 1959.
Uncl.

MICHALEK, H.

Parahydroxyphenylpyruvic acid oxidase in fishes and birds. Bul Ac
Pol biol 9 no.3:105-107 '61. (EEAI 10:9/10)

1. Department of Physiological Chemistry, School of Medicine, Warsaw.
Presented by J. Heller.

(FISHES) (BIRDS) (OXIDASES) (HYDROXYPHENYLPYRUVIC
ACID)

SZARKOWSKA, L.; MICHALEK, H.

Ubiquinone in insects. *Bul Ac Pol biol* 8 no.10:429-432 '60.
(EEAI 10:9)

1. Institute of Biochemistry and Biophysics, Polish Academy of
Sciences and Department of Physiological Chemistry, School of Medicine;
Warsaw. Presented by J. Heller.

(Ubiquinones) (Insects)

MICHALEK, Hanna; SZARKOWSKA, Ludmila

The quinone-amino acid complexes and polyphenolase. Acta
biochim.polon. 6 no.4:399-409 '59.

1. Zaklad Chemii Fizjologicznej AM, Instytut Biochemii i Biofizyki
PAN, Warszawa Kierownik: Prof. dr Jozef Heller.

(QUINONES chem)

(AMINO ACIDS chem)

(OXIDASES chem)

1. Byrkit, G.D., Michalek, G.A.
2. USSR (600)
4. Hydrazine
7. Hydrazine in organic chemistry (from "Ind. Eng. Chem." 42, 1950. Usp. khim. 21 no.12, 1952.
9. Monthly list of Russian Accessions. Library of Congress, March 1953, Unclassified.

MICHALEK, F.

GEOGRAPHY & GEOLOGY

Periodicals: KRASY SLOVENSKA. Vol. 34, No. 1. 1957.

MICHALEK, F. Memories of old iron-ore mining in Orava. p. 29.

Monthly List of East European Accessions (EEAI) LC Vol. 8, No. 4, April 1959.
Unclass.

MICHALEK, E.

Mine surveying in the widening and deepening of an upcast shaft.

P. 210. (UHLI) (Praha, Czechoslovakia) Vol. 7, no. 6, June 1957

SO: Monthly Index of East European Accession (EEAI) IC Vol. 7, No. 5, 1958

MICHALEK, Boguslaw, inz.

Measurements of the corona losses and determination of
their yearly average in extremely-high voltage networks.
Energetyka Pol 18 no. 2: 50-53 F '64.

MICHALEK, B., inz.

Complex mechanization of coal mining. Tech praca 16 no. 3:179-
181 Mr '64.

1. Lignitove doly, Hodonin.

~~MICHALEK, Boguslaw, inz.~~

13th General meeting of Delegates of the Polish Electrical Engineers
Association in Hirschberg. Energetyka Pol 14 no.7:222-224 J1 '60.
(EEAI 10:1)

(Poland--Electrical engineering)

MICHALEK, B.

TECHNOLOGY

Periodicals: ENERGETYKA. Vol. 12, no. 10, Oct. 1958

MICHALEK, B. Three-phase electrometers for integrating the square of the current intensity. p. 302.

Monthly List of East European Accessions (EEAI) LC, Vol. 1, No. 2,
February 1959, Unclass.

~~MIKHAIL, Zdenek~~ [Michalec, Z.](Praha)

Airplanes made in Czechoslovakia. IUn.tekh. 5 no.3:68-70 Mr '61.
(MIRA 14:6)

(Czechoslovakia--Airplane industry)

MIXHALETS, Zdenek [Michalec, Zdenek], inzh. (Praga)

Underground laboratory. IUn.tekh. 3 no.12:49-50 D '58.
(MIRA 12:1)
(Czechoslovakia--Gravitation--Research)

~~MIKHAILOV, Z.~~ MICHALEC, Z.
~~MIKHAILOV, Zdenek~~ (Praga).

Prague seen by a technician. IUn. tekhn. 2 no.2:54-55 P '8.
(Prague--Technology) (MIRA 11:2)

MICHALEC, Z.

~~MIKALITS, J.~~ inzhener (g. Praga).

~~MIKALITS, J.~~
Underground hydro-electric plant. IUn.tekh. no.7:27-29 Je '57.
(MLRA 10:7)

(Lipno (Czechoslovakia)--Hydroelectric power stations)

MICHALEC T.

COUNTRY : POLAND
 CATEGORY : Chemical Technology. Chemical Products and Their Applications. Leather. Fur. Gelatine*
 ABS. JOUR. : Tekhn., No. 23 1959, No. 84521
 AUTHOR : Lasek, W.; Michalec, T.; Kozubek, M.
 INST. : -
 TITLE : Chrome Leather With Refined Top Side
 ORIG. PUB. : Przegl. skorzany, 1959, 14, No 2, 50-58; No 3, 81-90
 ABSTRACT : Effect of the finishing tanning employing vegetable and synthetic tanning agents on the physical and chemical properties of chrome leather was studied. In the filling up of leather, predestined for finishing and refining of top side, the best substances for the purpose are extracts of mimosa, neutralized chestnut, quebracho (sulfonated and non sulfonated) and oak; the use of 6% tannides, basis the weight of leather, increases the

*Tanning Materials. Industrial Proteins.

CARD: 1/2

PCL/ND/Chemical Technology. Chemical Products and Their
Application. Leather. Fur. Gelatine. Tanning
Materials. Industrial Proteins.

H-35

Abs Jour: Ref Zhur-Khim., No 2, 1959, 6938.

syntans of amphoteric character, and products of
condensation of urea, melamines and dicyandiamides
(retingan [transliteration from Russian /
6, relyugan [transliteration from Russian /).
It is recommended to carry out the greasing in two
stages: first with anionic (sulfonated) fats and,
after that, with cationic fats, and to dye the
leather before final tanning. The increased soaking
capacity of leather connected with polishing is partly
corrected by pressing or glossing the leather. Also,
priming with cationic oils (casein priming paint) is
applied, after which leather is dyed with basic dyes.
Leather, which has been finally tanned correctly and

Card : 2/3

4-35

POLISH/Chemical Technology. Chemical Products and Their
Application. Leather. Fur. Gelatine. Tanning
Materials. Industrial Proteins.

Abs Jour: Ref Zhur-Krim., No 2, 1959, 6938.

Author : Michalec, Tadeusz.

Inst : Concerning a New Assortment of Leather for Footwear

Title : Uppers.

Orig Pub: Przegl. skorzany, 1957, 12, No 8, 195-197.

Abstract: Leather with damaged face layer is polished and finished with plastic dyes. In order to produce a refined face surface, chrome leather is tanned finally with vegetable tannides (Ts), highly basic Al salts together with cationic greasing substances, auxiliary

Card : 1/3

POLAND/Chemical Technology. Chemical Products and Their
ApplicationsLeather. Fur. Gelatin. Tanning Agents.
Technical Proteins.

H

Abs Jour: Ref Zhur-Khim., No 13, 1958, 45458.

Author : Michałec Tadeusz

Inst :

Title : Synthetic Polymer Based Leather Stains.

Orig Pub: Przegl. skorzany, 1956, 11, No 9, 224-228.

Abstract: The casein and nitrocellulose based stains used
at the present time in finishing of leather can be ad-
vantageously replaced by stain emulsions based on
synthetic resins. This will make it possible to de-
crease the amount of labor involved in polishing the
grain side of leather and to utilize chrome pigskin
with artificial grain. A brief description is pro-

Card : 1/2

MICHALEC, T.

Coating paints containing synthetic resins.

P. 224. (Przeład Skorany. Vol. 11, no. 9; Sept. 1956, Lodz, Poland)

Monthly Index of East European Accessions (EEAI) LC. Vol.7, no. 2,
February 1958

MICHALEC, T.

MICHALEC, T. Finishing dyes for leather. p. 172.

Vol. 11, no. 7, July 1956

PRZEGLAD SKORZANY
PHILOSOPHY & RELIGION
Warszawa, Poland

SO: East European Accession, Vol. 6, No. 3, March 1957

L 30078-66

ACC NR: AP6020601

ferromagnetic material, or by measuring the quanta polarization occurring during the transmission or scattering in a magnetized ferromagnetic material. This method can eliminate the use of theoretically calculated corrections that must be introduced in the measured value of the circular polarization of gamma quanta. The article is an abstract of UJV report No 1289/65. [Orig. art. in Eng.] [JPRS]

SUB CODE: 20, 14 / SUBM DATE: none

Card 2/2 20

L 30078-66 EWT(m)
ACC NR: AP6020601

SOURCE CODE: CZ/0038/65/000/010/0331/0382

AUTHOR: Michalec, Rudolf

ORG: Institute of Nuclear Research, CSAV, Roz (Ustav Jaderneho Vyzkumu CSAV)

TITLE: Experimental determination of the efficiency of an analyzer for the circular polarization of gamma quanta

SOURCE: Jaderna energie, no. 10, 1965, 381-382

TOPIC TAGS: circular polarization, gamma quantum, ferromagnetic material, Compton effect, gamma scattering, physics laboratory equipment, nuclear physics apparatus

ABSTRACT: Methods for the direct experimental determination of the analyzer's efficiency are described; these are based on the Compton scattering of polarized quanta by oriented electrons. The efficiency may be measured by unpolarized quanta emitted from the investigated target. Transmission of unpolarized quanta through magnetized ferromagnetic materials is a function of the degree of their magnetization. The nonpolarized quanta are partially polarized circularly during transmission and scattering in magnetized material. The efficiency of both the transmission and the scattering analyzers can be determined by measuring the dependence of the transmission of nonpolarized quanta upon the magnetization of the

UDC: 539.122.185

Card 1/2

L 18291-63

ACCESSION NR: AP3003663

ASSOCIATION: Ustav jaderného výzkumu CSAV, Rez (Institute of Nuclear Physics of the Czechoslovak Academy of Sciences)

SUBMITTED: 30Nov62

DATE ACQ: 16Jul63

ENCL: 00

SUB CODE: NS, PH

NO REF SOV: 004

OTHER: 006

Card 3/3

L 18291-63
ACCESSION NR: AP3003663

reverse spin there is only refraction into the mirror (r.c. more than 1). This produces a neutron beam polarized in the direction of the field magnetizing the mirror. The degree of polarization was measured with another similar mirror, magnets with congruent fields being placed between them to maintain the direction of spin of the neutrons. The table shows that the method of double reflection gives comparatively low values differing from the true polarization because of depolarization of the beam in passing between the regions of the reverse magnetic fields. By using a third mirror the authors determined the quality of the other two and the relationship of their polarizations. Results: double-reflection method 0.788; shim method 0.857; combined 0.852. Using the better of the two mirrors as a polarizer, the degree of polarization attained in the reflected beam was 94 plus or minus 2%. The flow measured in the polarized beam was 2.10 sup 6 neutrons/sec (3.10 sup 5 neutrons/ sq cm/sec.). The flow can be increased by using a mirror 1-1.5 m long. The beam obtained will soon be used to study the radiation capture of polarized neutrons by nuclei. Orig. art. has 1 figure and 1 table.

Card 2/3

I, 18291-63

EWT(1)/EWP(q)/EWT(m)/BDS

AFFTC/ASD Pad JD/HW

Z/0055/63/013/006/0474/0476

ACCESSION NR: AP3003663

AUTHOR: Kopecky, J., Chalupa, B., Michalec, R., Kajfosz, J.

TITLE: The beam of polarized neutrons obtained by the method of reflecting from a cobalt mirror

SOURCE: Chekhoslovatskiy fizicheskiy zhurnal, v. 13, no 6, 1963, 474-476

TOPIC TAGS: polarized neutrons, magnetized cobalt mirror, reverse spin, depolarization, shim method

ABSTRACT: In the experimental magnetized mirror of cobalt on a copper base (both 50 microns thick), built by the 4 authors to obtain polarized neutrons, a beam of heat neutrons from the horizontal channel of their experimental reactor BBP-C, emitted by the collimator at the rate of (7.5 plus minus 0.2). $10 \sup 7$ neutrons/sq cm/sec, with a maximum angle deviation of 12 minutes, falls on a cobalt surface 500 x 120 mm. As already shown by others, in case of sufficiently large B's there is complete reflection for neutrons with a spin parallel to the magnetizing field (refraction coefficient less than 1), whereas for neutrons with

Card 1/3

Methods of polarization ...

Z/037/62/000/003/006/007
E024/E435

The author anticipates considerable improvements in the methods of polarization of neutrons and points out that more attention should be paid to experimental work in this field in Czechoslovakia. There are 9 figures. ✓

ASSOCIATION: Ústav jaderného výzkumu ČSAV, Řež
(Institute for Nuclear Research ČSAV, Řež)

SUBMITTED: July 7, 1961

Card 2/2

Z/037/62/000/003/006/007
E024/E435

AUTHOR: Michalec, R.

TITLE: Methods of polarization of cold, thermal and
resonance neutrons

PERIODICAL: Československý časopis pro fysiku, no.3, 1962, 272-291

TEXT: Review paper listing 62 references, 6 of which are Soviet, covering the period from 1937 to 1961. The paper is divided into the following sections and subsections:

1. Introduction (Definition of polarization. General theory of polarization).
2. Methods of polarization (Transmission of neutrons through magnetized ferromagnetic samples. Complete reflection of neutrons from magnetized ferromagnetic mirrors. Diffractive reflection of neutrons from magnetized ferromagnetic single crystals. Reflection of neutrons from magnetic mirrors. Transmission of neutrons through polarized samples).
3. Comparison and applicability of the various methods of polarization for experimental work.
4. Conclusion.

Card 1/2

MICHALEC, Jaroslav, inz.

Some problems of world hydroelectric power engineering.
Vodni hosp 14, no.12:463-466 '64.

MICHALEC, Jaroslav, inz.

Outlook for construction of multipurpose hydro-electric power plants
in Czechoslovakia. El tech obzor 50 no.10:523-527 0 '61.

(Water-power electric plants)

MICHALEC, J.

MICHALEC, J. Notes on present conditions in the construction of hydroelectric plants from the point of view of new technology. p. 292.

Vol. 1, no. 10, Oct. 1956
NOVA TECHNIKA
TECHNOLOGY
Czechoslovakia

So. East European Accession, Vol. 6, No. 5, May 1957

MICHALEC, J.; KOSEK, K.

Problems concerning cooperation between steam and water-power electric stations in Czechoslovakia.

p. 548
Vol. 5, no. 6, 1955
ZA SOCIALISTICKOU VEDU A TECHNIKU
Praha, Czechoslovakia

Source: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, no. 2
February 1956, Uncl.

MICHALEC, J.

For better utilization of the Danner machine, p. 285, SKLAR A KERAMIK
(Ministerstvo lehkeho prumyslu) Praha, Vol. 4, No. 11, Nov. 1954

SOURCE: East European Accessions List (EEAL) Library of Congress,
Vol. 4, No. 12, December 1954

MICHALEC, J.

"The Role of Water Power in the Power Production of Czechoslovakia." p. 373,
(Za Socialistickou Vedu A Techniku, Vol. 3, no. 9, Sept. 1953, Praha)

SO: Monthly List of East European Accessions, Vol. 3, No. 3, March ¹⁹⁵⁴~~1953~~, Uncl.

CECELIN, Vladimir, promovany geolog; MICHALEC, Jaromir, inz.;
SUCHANEK, Vladimir, inz., kandidat technickych ved

Increasing the depth range and accuracy of measurement
by the Turam set. Geol pruzkum 6 no.4:105-106 Ap '64.

1. Geologicky pruzkum National Enterprise, Prague and
Czech Higher School of Technology, Prague.

ACCESSION NR: AP3008940

ASSOCIATION: Department of Vibration, IBTP Polish Academy of Sciences

SUBMITTED: 16Jul62

DATE ACQ: 24Oct63

ENCL: 00

SUB CODE: 00

NO REF SOV: 002

OTHER:003

Card 2/2

ACCESSION NR: AP3008940

P/0033/63/015/003/0359/0369

AUTHOR: Kaliski, Sylwester; Michalec, Jerzy (Warsaw)

TITLE: Magnetoelastic resonance vibration of a perfectly conducting cylinder in a magnetic field

SOURCE: Archiwum mechaniki stosowanej, v. 15, no. 3, 1963, 359-369

TOPIC TAGS: magnetoelastic resonance vibration, perfectly conducting elastic cylinder, magnetic field, Voight body, nonelastic body, elastic body, elastic cylinder

ABSTRACT: In considering the problem of magnetoelastic resonance vibration of a perfectly conducting elastic cylinder in an originally axial magnetic field, the authors examine the general case of a cylinder with mechanical internal damping. For the resonance amplitudes, they confine themselves to the influence of electromagnetic radiation into the vacuum adjacent to the cylinder, assuming the cylinder to be perfectly elastic. They obtain a set of equations and the boundary conditions for a nonelastic (Voight) body, as well as a general solution for a nonelastic and an elastic body. Finally, they determine the fundamental resonance frequency for a perfectly elastic cylinder and the resonance amplification of the amplitude of the cylinder (limited owing to the radiation of the electromagnetic energy into the vacuum).

Card 1/2

MICHALEC, Jozef, inz.

National conference on the application of conclusions of science,
research, and large-scale production technology in practice.
Vest ust zemedel 10 no.8:291-292 '63.

1. Odbor pre podhospodarstvo, Slovenska narodna rada,
Bratislava.

KALISKI, Sylwester; MICHALEC, Jerzy

The resonance amplification of a magnetoelastic wave radiated from a cylindrical cavity. Proceed vibr probl 4 no.1:7-15 '63.

1. Department of Vibrations, Institute of Basic Technical Problems, Polish Academy of Sciences, Warsaw.

S/144/60/000/012/005/005
E194/E255

Testing of Insulating Materials for Hermetically-Sealed Refrigerator Motors

which are of variable quality and absorb water freely. It is advisable to use wires with reinforced (duplex) insulation to avoid local damage of the enamelled layer. Of the wires enamelled with polyvinyl formalin lacquers, vinyflex was better than varnish Sl917 and in laboratory tests the best of the enamelling lacquers was terephthalate lacquer terebek F35. Impregnation of motor windings greatly increases their life particularly if the wire enamel is not very stable to a mixture of freon and 12 oil. There are 4 figures, 4 tables and 8 references: 1 Soviet and 7 non-Soviet.

ASSOCIATION: The Bratislava Scientific Research Institute of
Cables and Insulating Material, Czechoslovakia

SUBMITTED: June 22, 1960

Card 9/9

S/144/60/000/012/005/005
E194/E255

Testing of Insulating Materials for Hermetically-Sealed Refrigerator Motors

were periodically determined by change of resistance. The test results show that windings lacquered with vinyflex and impregnated with varnish S1701 gave the best life, the unimpregnated windings being of comparable quality. Enamelled wire Grade S1917 occupies second place and this one was much better with impregnation than without. Enamelled wire Grade PA-BA gave the shortest life. Mean temperatures during the tests ranged from 111 to 138°C. The tests only lasted months but had they been carried on longer to failure the classification of different grades might have been different. It was found that the reduction in insulation resistance and electric strength of the lubricating oil was due to breakdown of cellulose from the slot insulation and bindings of the end windings. One advantage of impregnation is that it improves the heat transfer. It is concluded that the reliability of sealed-unit type refrigerator motors in service depends on the quality of the enamelled wire. Wires enamelled with polyvinyl formalin lacquers are better than those enamelled with polyamide lacquers, ✓

Card 8/9

S/144/60/000/012/005/005
E194/E255

Testing of Insulating Materials for Hermetically-Sealed Refrigerator Motors

measured at a frequency of 1000 c/s. They were then exposed to a relative humidity of 75% and the dielectric loss angle was measured from time to time. The polyamide varnishes rezamid and PA-BA absorbed the most moisture and the polyvinyl formalin varnishes vinyflex and S1917 the least. The terephthalate varnish also showed appreciable water absorption. It is considered that water absorption increases with increase in the content of plasticifiers, particularly in the case of polyamide varnishes. Life tests were made with the motors operating at higher than normal temperature. Tests were made with three grades of lacquer, each in ten motors, making 30 in all. The materials used were polyamide varnish PA-BA, polyvinyl formalin varnish S1917 and polyvinyl formalin varnish vinyflex. The motors were divided into two groups, one of which was impregnated with varnish S1701 and the other was not impregnated. The sets were tested and filled with freon-12 in the usual way. For life tests the motors were permanently connected to the supply and their winding temperatures

✓
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Card 7/9

S/144/60/000/012/005/005
E194/E255

Testing of Insulating Materials for Hermetically-Sealed Refrigerator Motors

oil Grade F at temperatures of 110 and 120°C. The stability to a mixture of oil and freon-12 could be assessed from life tests on completed equipment. Ageing of the enamelled wire in the oil was assessed by determining the relative elongation of the enamel film in a twisting test. Specimens with polyamide and polyvinyl formalin varnishes aged at 110°C for about 20 days showed a gradual reduction of relative elongation. But after about twice this time the varnishes enamelled with polyamides became completely brittle. The polyvinyl formalin varnish is the most stable to lubricating oil and vinyflex is better than varnish S1917. The most stable of all is terephthalate varnish Terebek F35. Rather similar results were obtained at 120°C, but significant results are obtained after two weeks of testing. No tests were made of the stability of varnish film to hot oil, but it is believed that hot oil accelerates embrittlement. Water-resistance tests were also made on enamelled wires. The samples were first dried for 24 hours over silica gel and the dielectric loss angle was

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Testing of Insulating Materials for Hermetically-Sealed Refrigerator Motors

additional hardening reduced the extract in two cases. The action of solvents on the insulating materials was tested in a soxhlet apparatus at the normal boiling-point of the solvents. After extraction the dry residue was determined. Extractions were made with methanol, trichlorethylene and xylol. Samples of foil with impregnating varnish were extracted with normal benzene instead of xylol. The test results on enamelled wires showed that the polyamide varnishes manufactured in Czechoslovakia are more chemically stable than polyvinyl formalin varnishes. The best stability was shown by wires enamelled with terephthalate varnish, Terebek Q35 (F35). Of the impregnating varnishes, both bakelite grades are approximately equivalent in chemical stability. Although polyurethane varnish elmo-glass V-150 gave a small quantity of extract, the film was damaged by trichlorethylene and methanol. The film of varnish Sl701 was also damaged by trichlorethylene. Tests were also made of the stability of enamelled wires to lubricating oil. The tests were made in pure lubricating

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stable to freon-12. After about thirty minutes the varnish swells and loses its adhesion to metal. With this exception, all the materials were satisfactory. However, the low test temperature is a favourable factor, and assessment should not be based on this test alone. It is important to test the stability of the insulating materials to refrigerant at higher temperatures, which entails testing under pressure. The work was carried out by a method similar to that of Steinle but extracting at a temperature of 95°C for 4 hours. Attempts have been made to find solvents which would affect insulating materials in the same way as the usual refrigerants and it is found that methanol is comparable. Its use was proposed after a detailed study of variable factors such as hardening time, lacquer film temperature, exposure to methanol and others. Five grades of enamelling lacquer were used and in addition polyvinyl formalin lacquer 'Renvar'D' and terephthalate lacquers 'Terex' 17 and remanex *РЛ 768* (RL 768). The samples were tested in the condition of receipt and after additional hardening for three hours at a temperature of 135°C. The

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Testing of Insulating Materials for Hermetically-Sealed Refrigerator Motors

used in the pure form but is one of the main components of impregnating varnish Grade C1921 (S1921). The polyurethane varnish elmo-glass V-150 (manufactured by the firm of Dr. Beck in the German Federal Republic) is used to impregnate certain kinds of motors. A normal soxhlet extraction apparatus was used, cooled by alcohol at a temperature of -55°C . The specimens were made up of enamelled wire weighing about 200 g bearing about 4 g of enamel. The samples were wound up in a coil. Samples were also made up of copper foil with impregnating varnish also having a varnish weight of about 4 g. The samples were first dried for 16 hours at 105°C and then extracted for 6 hours 15 minutes in freon-12 which was evaporated to obtain the dry residues. The amounts of dry residue were measured. The results show that all the lacquers tested were stable to freon-12, according to Steinle's method of classification. Of the impregnating varnishes, the bakelite grades give a higher amount of extract than the elmo-glass polyurethane varnish but nevertheless this latter grade is not

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Testing of Insulating Materials for Hermetically-Sealed Refrigerator Motors

materials tested were used in motors which were life-tested. Freon-12 acts as an organic solvent of enamels. Material extracted by the freon may contaminate the refrigerator system. Various methods have been devised to test the stability of insulating materials to refrigerants; one developed by Dr. H. Steinle (Germany) involves cold extraction with freon-12, at a temperature of -29.8°C . A number of materials was tested by this method. Tests were made with enamelled wires of various kinds including: two grades with polyamide (PA-5A (PA-BA) and rezamid) lacquers, two grades with polyvinylformalin (Grade C1917 (S 1917) and vinylflex) lacquer and one grade with terephthalate (terebek 235 (F35)) lacquer. The wires were made under normal conditions. A number of impregnating insulating varnishes was used namely, C1701 (S1701), rezofen and elmo-glass B-150 (V-150). Bakelite varnish S1701 is used in the manufacture of refrigerators although it is not electrically insulating. Rezofen is also a bakelite varnish but of different composition and hardening conditions. It is not

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S/144/60/000/012/005/005
E194/E255

AUTHOR: Michálek, Jan., Engineer
TITLE: Testing of Insulating Materials for Hermetically-
Sealed Refrigerator Motors
PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Elektromekh-
anika, 1960, No. 12, pp. 98-111

TEXT: Fully-sealed refrigerator units are coming into use for domestic refrigerators. This design has numerous advantages but makes more severe demands on the motor insulation, which is exposed to a mixture of refrigerant and lubricant. The object of the present work was to test available insulating materials for hermetically-sealed refrigerator motors operating in freon-12 and lubricating oil Grade ~~Q~~ (F). The equipment was dehydrated with methanol. The principal product studied was enamelled winding wire, attention also being paid to impregnating varnishes and slot insulation. Tests were made of the stability of the insulating materials to freon-12 and other chemical reagents and lubricating oil under laboratory conditions; the moisture resistance of enamelled wires was also tested. Some of the

Card 1/9

01.0000000000000000

MICHALCZAK, C., M.D.

Laboratory of the Metabolism of Albumin and Protein Synthesis of IC (Laboratory for Metabolism and Protein Synthesis IC), Prague

Prague, Prakticky lekar, No 17, 1966, p 753

"The Basic Metabolic Research of Lipids and the New Biochemical Techniques. The Experiment with Their Application in the Prevention and Clinical Treatment of Atherosclerosis."

KRONDL, A.; VAVRINKOVA, H.; VOKAC, V.; MICHALEC, C.; HROMADKOVA, V.

Effect of chlortetracycline on lipid metabolism, 1.
Digestion of fats. Cas. lek. cesk. 103 no.43:1188-1192
23 0 '64.

1. Ustav pro vyzkum vyzivy lidu v Praze, (reditel prof. dr.
J. Masek, DrSc.) Laborator pro proteosyntezu fakulty
vseobecneho lekarstvi Karlovy University v Praze, (vedouci
prof. dr. J. Horejsi, DrSc.).

MICHALEC, G.; TICHY, J.

Determination of the spectrum in cholesterol esters in the cerebrospinal fluid by paper chromatography. Cas. lek. cesk. 103 no.27:756-757 26 Je'64

1. Laborator pro proteosyntezu fakulty vseobecneho lekarstvi KU [Karlovy university] v Praze (vedouci: prof. dr. J.Horejsi, DrSc.) a Neurologicka klinika fakulty vseobecneho lekarstvi KU [Karlovy university] v Praze (prednosta: akademik K.Hanner).

SULC, M. ; MICHALEC, C.

Level of lipid fractions and chromatography of unsaturated fatty acids in the blood of cocks during long-term cholesterol feeding under different ecological conditions. Sborn. lek. 66 no. 6: 167-170 Je'64

1. Angiologická laborator fakulty všeobecného lékařství University Karlovy v Praze (reditel: prof. dr. Z. Reinis, DrSc.) a Laborator pro metabolismus bílkovin a proteosyntezu fakulty všeobecného lékařství University Karlovy v Praze (reditel: prof. dr. J. Horejsi, DrSc.)

KRONDL, A.; VAVRINKOVA, H.; MICHALEC, C.; VONAC, V.

Effect of pancreatic lipase inhibition by chlorotetracycline on fat digestion and absorption. Rev. Czech. med. 10 no.4:273-282 '64.

1. Institute of Human Nutrition, Prague (Director: Prof. J. Masek, M.D. D.Sc.) and Laboratory of Proteosynthesis, Prague (Director: Prof. J. Horejsi, M.F., F.Sc.).

MICHALEC, Gostmir

Chromatography on glass-fiber paper. Chem listy 56 no.12:1403-1419
D '62.

1. Laborator pro proteosynthesu a metabolismus bilkovin, Fakulta vseobecneho lekarstvi, Karlova universita, Praha.

KRONDL, A.; VAVRINKOVA, H.; MICHALEC, C.; VOKAC, V.; PLACER, Z.; SKALA, I.

Digestion and absorption of fats. Cesk. gastroent. vyz. 16 no.3/4:
191-196 Ap '62.

1. Ustav pro vyzkum lidu v Praze, reditel doc. MUDr. J. Masck, DrSc.
(BILE) (GLYCERIDES) (CHLORTETRACYCLINE)
(NEOMYCIN) (DIGESTION) (LIPID METABOLISM)

MICHALEC, C.; SULC, M.; MESTAN, J.; KOLMAN, Z.; JICHOVA, M.

Comparative chromatographic studies on the content of unsaturated triglycerides in various oils and fats. Cas.lek.cesk 100 no.29/30: 909-912 14 J1 '61.

1. Laborator pro proteosyntezu a metabolismus bilkovin fakulty vseobecneho lekarstvi KU v Praze, reditel prof. dr. J. Horejsi, Laborator angiologicka fakulty vseobecneho lekarstvi KU v Praze, reditel prof. dr. B. Prusik.

(LIPIDS chem)

SULC, Miloslav; MICHALEC, Cestmir; MESTAN, Jan; KOLMAN, Zdenek

Experience with the isolation of unsaturated glycerides and their characteristics in the human serum. Cas.lek.cesk 100 no.22:696-698 2 Je '61.

1. Angiologicka laborator fakulty vseobecneho lekarstvi KU v Praze, reditel prof. dr. B. Prusik. Laborator pro metabolismus bilkovin a proteosyntezu fakulty vseobecneho lekarstvi KU v Praze, reditel prof. dr. J. Horejsi.

(FATS, UNSATURATED blood)

MICHALEC, U.; SULC, M.; MESTAN, J.; HALAMA, D.; KOMAN, V.

Lipids in certain pathological conditions. II. Studies on fractions on cholesterol esters in human and animal blood. Sborn. lek. 63 no.4:99-103 Apr 1961.

1. Laborator pro metabolismus bikovin a proteosyntezu fakulty vseobecneho lekarstvi University Karlovy v Praze, reditel prof. dr. J.Horejsi, Laborator angiologicka fakulty vseobecneho lekarstvi University Karlovy v Praze, reditel prof. dr. B.Prusik, Slovenska vysoka skola technicka, katedra biochemie a mikrobiologie v Bratislave, reditel prof. dr J.Nemec.
(CHOLESTEROL blood)

SULC, M.; MESTAN, J.; MICHALEC, C.

Lipids in certain pathological conditions. I. The iodine number in clinical atherosclerosis. Sborn.lek.63 no.2:33-39 P '61.

1. Laborator angiologicka fakulty vseobecneho lekarstvi University Karlovy v Praze, reditel prof.dr. B.Prusik; Laborator pro metabolismus bilkovin a proteosyntezu fakulty vseobecneho lekarstvi University Karlovy v Praze, reditel prof. dr. J.Horejsi.
(ARTERIOSCLEROSIS blood)
(FATS blood)
(IODINE)

KRONDL, A.; VAVRINKOVA, H.; MICHALEC, C.; stat. zhodnocent: ZVOLANKOVA, K.

Role of the concentration of bile acids in the metabolism of fats.

3. Absorption of fats in man. Cesk. gastroent. vyz. 15 no.4:282-289
Je '61.

1. Ustav pro vyzkum vyzivy lidu v Praze, reditel doc. MUDr. Josef
Masek.

(FATS metab) (BILE ACIDS AND SALTS metab)

KRONDL, A.; MICHALEC, O.; VAVRINKOVA, H.; VOKAC, V.; statistické
zhodnocení ZVOLANKOVA, K.

Effect of the concentration of bile acids for metabolism of lipids.
1. The degree and emulsion of lipids in man. Cesk. gastroent. vyz.
15 no.1:31-38 F '61.

1. Ustav pro vyzkum vyzivy lidu v Praze, reditel doc. MUDr. Josef
Masek Laborator pro proteosyntezu University Karlovy v Praze, prednosta
prof. Jar. Horejci.

(BILE ACIDS AND SALTS physiol.)
(LIPIDS metabolism)

STASTNY, M.; MICHALEC, C.; NOVAKOVA, E.

Contribution to the study on lipoproteins in the blood serum.
Acta univ. carol. [med.] Suppl. 14:271-278 '61.

1. Laborator pro metabolismus bilkovin a proteosynthesu fakulty
vseobecneho lekarstvi University Karlovy v Praze, prednosta prof.
dr. J. Horejsi.

(LIPOPROTEINS blood)

KOLOUSEK, J.; DIENSTBIER, Zd.; MICHALEC, C.

Effect of methionine-sulfoximine on liver and spleen metabolism in the rat. Acta univ. carol. [med.] Suppl. 14:95-102 '61.

1. Biofyzikalni ustav fakulty vseobecneho lekarstvi University karlovy v Praze, prednosta doc. dr. Zd. Dienstbier Laborator pro vyzkum proteinoveho metabolismu a proteosynthesy fakulty vseobecneho lekarstvi University Karlovy v Praze, prednosta prof. dr. J. Horejsi.
(LIVER pharmacol) (SPLEEN pharmacol)
(METHIONINE rel cpds)

SOUKUPOVA, Kveta; MICHALEC, Cestmir

Serum level of higher fatty acids in young individuals; effect of fat ingestion. Sborn. lek. 61 no.1:6-9 Jan 59.

1. IV. interni klinika fakulty vseobecneho lekarstvi university Karlovy v Praze, prednosta prof. dr. Bohumil Prusik. Laborator pro proteosyntezu a metabolismus bilkovin, prednosta prof. dr. Jaroslav Horejsi. Dr. K.S. Kalininova 8, Praha 11.

(FATTY ACIDS, in blood

eff. of fat ingestion on higher fatty acids in young subjects (Cz))

(FATS, eff.

on blood higher fatty acids in young subjects (Cz))

Electrophoresis on Paper (Cont.)

CZECH/3451

use in medical and biochemical problems; 2) the physicochemical aspects and their relationship to the design of apparatus; 3) the analysis of separated materials; and 4) the future of electrophoretic technique in its application to clinical research and routine analysis. Each topic is followed by references.

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Charge in ampholytes	20
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PHASE I BOOK EXPLOITATION

CZECH/3451

Michalec, Čestmír, Doctor, Jaroslav Kořínek, Jan Musil, Doctor, and Jiří
Ružička, Engineer

Elektroforesa na papíře a v jiných nosičích (Electrophoresis on Paper and Other
Carriers) Praha, Nakladatelství Československé akademie věd, 1959. 313 p.
(Series: Československá akademie věd. Sekce chemická. Studie a prameny,
sv. 34) 2,250 copies printed.

Reviewer: Jiří Dvořák, Doctor; Scientific Ed.: Bořivoj Keil, Doctor, Engineer;
Ed. of Series: Jarmila Klejnová.

PURPOSE: This book is intended for scientists and researchers engaged in the
development and application of the electrophoretic method to the analysis of
materials.

COVERAGE: This study of electrophoresis on paper and other carriers consists of
three parts written by three different authors. The material includes: 1)
the theory and general methods of paper electrophoresis with examples of its

Card ~~1~~/10

01A. The semi-quantitative determination of chole-
sterol and cholesterol esters in paper chromatograms
by the use of a color reaction with a solution of
Catalase, H₂O₂, and a solution of H₂O₂ and
H₂O₂ (10% H₂O₂ in 10% H₂O) extract
of serum is spotted on a paper impregnated with
liquid paraffin and developed by ascending chroma-
tography. Strips 1 cm wide of the chromatogram
are stained with chloroform and the density of the
colours produced by addition of acetic anhydride and
conc. H₂SO₄ is measured at 610 mμ after 10 min.
Results are in agreement with those obtained by
plate methods. This is a simple and rapid method
for the determination of these compounds in bio-
logical material. P. Nicholls

6
482

11/13

MICHALEC, C. (Praha 3, Brezinova 6)

~~Qualitative chromatographic determination of saturated & unsaturated~~
higher fatty acids in human blood serum. Cesk. gastroenter. 11 no.5:
368-371 5 Sept 57.

1. Ustredni biochemicke laboratore FN I v Praze, prednosta prof. Dr. J.
Horejsi.

(FATTY ACIDS, in blood
saturated & unsaturated, chromatography (Cz))

~~APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001033800030-6~~

ENCLOSURE

11. State of	County of	do hereby certify that the within and foregoing is a true and correct copy of the original as the same appears from the records of the said County.
Notary Public	My Comm. Expires	Witness my hand and the seal of the said County at the City of New York, this _____ day of _____, 19____.

2

11/14/54

The paper chromatography of porphyrins
by Michael and J. Komarek (Biochem. Zep-
tralen, 1954, 24, 100-101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 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(NEOPLASMS, blood in,
cholesterol, determ.)
(LIVER, diseases,
liver cholesterol in, determ.)
(CHOLESTEROL, in blood,
in cancer & liver dis., determ.)
(BLOOD,
cholesterol, in cancer & liver dis., determ.)

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Importance of certain turbidity and flocculation tests for diagnosis of infectious hepatitis. Cas.lek.cesk. 91 no.14:432-435 4 Apr 52.

1. Z I. kliniky pro choroby vnitřní, přednosta prof. dr. M. Netoušek;
z odd. pro epidemické zmlutensky v Masarykových domovech v Erci a
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Remarks on determination of tyramine and tyrosine with Gerngross reaction. Cas.lek.cesk. 91 no.10:301-302 7 Mar 52.

1. Z Ustredni laboratore SNF, prednosta dr. J.Horejsi.
 (TYRAMINE, determination,
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 (TYROSINE, determination,
 Gerngross method)

MICHALEK, C.; SRBOVA, V.

Microdetermination of potassium in blood serum. Cas. lek. cesk. 90
no. 51-52:1536-1538 28 Dec 51. (CIML 21:5)

1. Of the Central Laboratory (Head--J. Horejsi, M.D.) of State Faculty
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Determination of nitrogen with Nessler reagent. K. Slavik and C. Michalec (State Faculty Hosp., Prague, Czech.). *Chem. Listy* 45, 38(1951). After oxidizing the sample contg. 10-700 γ N in H_2SO_4 with the addn. of H_2O_2 , wash the residue with 5-25 ml. H_2O into a volumetric flask (20-100 ml.), add 3-15 ml. of Nessler reagent and dil. to the mark with H_2O . Measure after 10 min. at 450-490 m μ . M. Hudlický

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The use of diphenylamine reaction for the determination of hexoses in the presence of pentoses, glucuronic acid, and products of the cleavage of sugars in biological material. K. Slavík and Č. Michalec. *Chem. Listy* 43, 235-8(1949).—The blue coloration developed by treating hexoses with diphenylamine reagent was used for detn. of hexoses in biol. material. Pentoses give a yellow color; glycine, cystine, arginine, lysine, tyrosine, creatine, histidine, aspartic acid, uric acid, leucine, cholesterol, and lecithin do not give any color reaction in concns. of 2 mg. in 2 ml. water. Hexoses were detd. with an accuracy of 1-1.5% in the presence of pentoses. The rate of cleavage of aldoses and ketoses in EtOH-H₂SO₄ and BuOH-HCl solns. was measured, and the method for detg. aldoses in the presence of ketoses was described.

M. Hudlický

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A modification of Friedemann-Haugen method for the specific determination of pyruvic acid in biological material. K. Slavik and C. Michalec, *Chem. Listy* 43, 102-4(1949).—Oxalacetic and ketoglutaric acids which interfere during the detn. of pyruvic acid by the Friedemann-Haugen method (cf. *C.A.* 36, 54021; 37, 24014) can be removed as heterocyclic compds. by the reaction with N_2H_4 . Pyruvic acid is only slightly affected by N_2H_4 . It is then transformed to the dinitrophenylhydrazone, which is extd. from an org solvent with a Na_2CO_3 soln. and detd. colorimetrically. M. H.

BEKIER, Jerzy; MICHAŁ, Władysław

Simultaneous hemilaminectomy and extrapulmonary mediastinotomy
in the treatment of hour-glass tumor. Pol. tyg. lek. 18 no.34:
1275-1276 19 Aug '63.

1. Z Kliniki Neurochirurgii; kierownik: prof. dr Jerzy Szapiro
i I Kliniki Chirurgicznej AM w Łodzi; kierownik: prof. dr
Marian Stefanowski.

(PANCOAST'S SYNDROME) (SPINAL CORD NEOPLASMS)
(MEDIASTINAL NEOPLASMS) (SURGERY, OPERATIVE)

MICHALE, Wladyslaw

Acute hemorrhagic pancreatitis of parasitic origin. Pol. przegl.
chir. 35 no.4:337-339 '63.

1. Z I Kliniki Chirurgicznej AM w Lodzi Kierownik: prof. dr
M. Stefanowski.

(PANCREATITIS) (HELMINTHIASIS) (SURGERY, OPERATIVE)

POLAND

BEKIER, Jerzy and MICHALE, Wladyslaw; Neurosurgical Clinic (Klinika Neurochirurgii) (Director: Prof. Dr. Jerzy Szapiro) and First Surgical Clinic (I Klinika Chirurgiczna) (Director: Prof. Dr. Marian STEFANOWSKI), both of the AM [Akademia Medyczna, Medical Academy] in Lodz

"Simultaneous Hemilaminectomy and Retropleural Mediastinotomy in the Treatment of Hour-clock Tumor. Case Report."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 34, 19 Aug 63, pp 1275-1276

Abstract: [Authors' English summary] Authors report case of male patient aged 36, with hour-clock neuroinoma of the spinal canal and posterior mediastinum. Radical operation, involving simultaneous treatment of both areas was successful. The authors briefly review the literature and discuss the sequence of operation of the vertebral column and chest in such cases. There are 11 references: 2 Soviet, one English, the other Polish references.